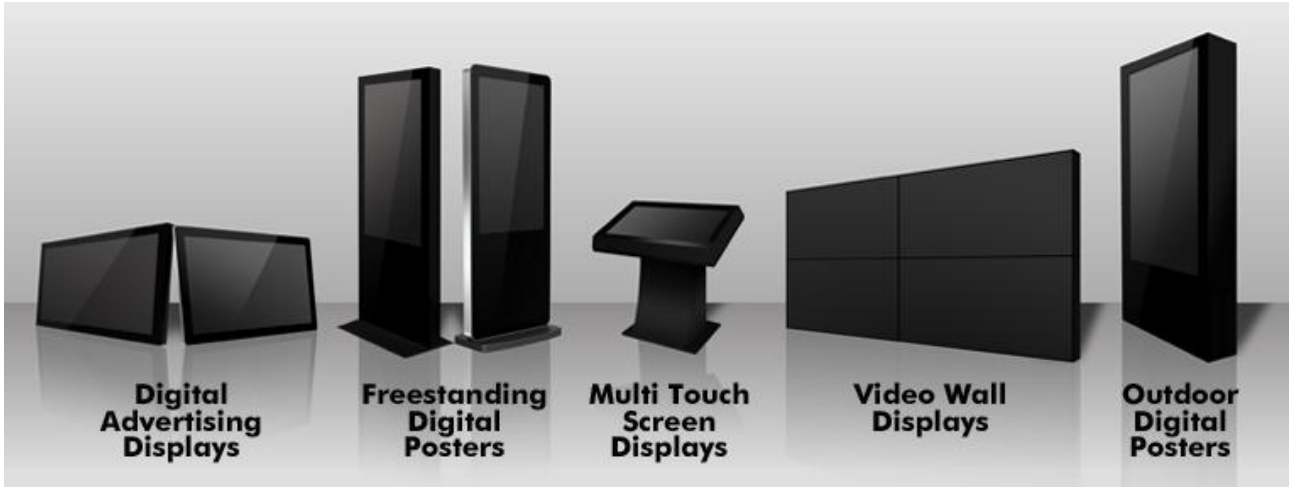
Professional LED Video Monitor

User's Manual

Manual Version MP2.0

Our Full Product Range



Safety Instructions

- Please keep the display away from any heat sources such as electric radiators or direct sunlight. Place the display in a stable and well-ventilated place.
- Please handle with care so as to not damage the LCD panel.
- The holes or openings on the display are designed for ventilation. Do not cover or block the ventilation holes or openings with any objects.
- Remove protective covering from the screen before you use the display.
- As the display surface is vulnerable to scratches, avoid touching the surface with sharp pen point.
- Shut off the power supply before cleaning. Use a soft lint-free cloth instead of a tissue to wipe the screen.
- You may use a glass cleaner to clean the product as required. However, never spray the cleaner directly onto the display surface.
- Do not attempt to repair this product yourself! Improperly disassembly of the product may invalidate the warranty and lead to possible danger!

If you have a problem that cannot be solved using the "Troubleshooting" guidelines, please contact your supplier.

Quick Start Guide (connecting to PC)

This section of the guide is to allow rapid set up and use of the unit. Please refer to the main part of the User Guide for full information on use of the unit.

Please follow the steps detailed below:

1. Unpack unit and place in desired location along with PC.
2. Connect the screen to the PC via the VGA Cable (as shown below).

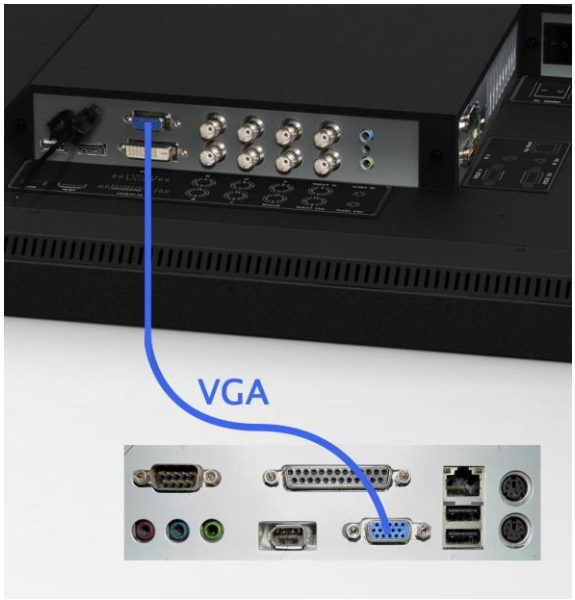


Figure 1 Screen to PC Connections

3. Power ON the PC.
4. Take the power lead from the accessories bag, insert the lead into the screen and connect to mains outlet. Then turn ON by the "AC Switch" located next to the power input.
5. If the screen does not display the signal from the PC then connect press the "SOURCE" button on the remote control and navigate to "PC-RGB" and press "PLAY".

PC-RGB
PC-RGB (BNC)
COMPONENT
DVI
HDMI
AV1
AV2
DMP

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1. Introduction

Congratulations on your purchase of our product. Please read carefully and follow all instructions in the manual before first use.

The product should not be exposed to liquids dripping or splashing and no objects filled with liquids, such as vases, should be placed on the product.

For user convenience, a number of operations can be performed through the remote control.

Attention:

1. Do not change any default setting when it is unnecessary.
2. Keep the product far away from water during installation and use.

1.1 Box Contents

1xProfessional LED Video Monitor

1xPower Cable

1xRemote Control (with AAA batteries)

1xCD (User Manual)

IMPORTANT: Please retain your screen's packaging for the duration of your warranty.

1.2 Product Overview

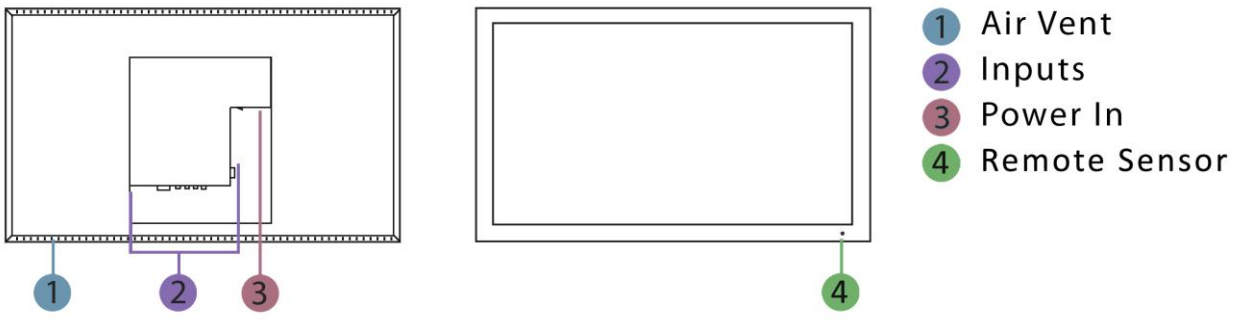

Figure 2 Product Overview

1.3 Remote Control

Button	Function
POWER/⏻	Power on or off
MENU	Display settings
SETUP	Menu settings
SOURCE/⏎	Input source
▲	Up (navigation)
◀	Left (navigation)
▶	Right (navigation)
▼	Down (navigation)
▶/II	Play media
■	Stop media
⏮	Previous
⏭	Next
🔇	Display settings
🔊+	Raise volume
🔊−	Lower volume

1.4 Replacing the Remote Control Battery

1. Slide the battery cover off, as shown below.
2. Remove the used batteries.
4. Insert the two new AAA batteries with their terminals corresponding to the indicators.
5. Put the cover back on.

2. Menu Operation

The Menu includes the following menus: Picture, Sound, Time and Option.

Press "MENU" to bring up the menus, press ←→ to select the desired menu and ↑↓ to select the desired item, press "PLAY" to confirm selection. Press "menu" at any time to go back or exit.

Picture

Here is where you can edit settings such as brightness, contrast, colour temperature and backlight brightness. Any settings that you change can be reset back to default at any time.

Picture Mode	<Standard>	or Mild/User/Auto/Dynamic	
	User	Contrast	50
		Brightness	50
		Colour	50
		Sharpness	50
		Tint	50
Color Temperature	<Medium>	or Warm/User/Cool	
Aspect Ratio			
Noise Reduction			
PC Setup			
Backlight	<100>	or 1-100	

Sound

In this menu you can adjust all of the sound settings for your monitor such as the sound mode EQ settings or the left/right balance. Any settings that you change can be reset back to default at any time.

Sound Mode	<Standard>	or Music/Movie/Sports/User
Balance	<0>	-50(left) to +50(right)
Auto Volume	<Off>	or On
Surround Sound	<Off>	or Surround
EQ	120 Hz 500 Hz 1.5K Hz 5K Hz 10K Hz	50 50 50 50 50

Time

Here you can set a time and date for your screen as well as scheduling daily on/off times for the built in power timer. You can also adjust at what temperature the internal fans become active.

Clock	<DATE and TIME>	Date Month Year Hour Minute
Off Time	<Off>	Hour Minute
On Time	<Off>	Hour Minute
Temperature	XX	(Current screen temperature)
Fan Active	<30>	(Temperature when internal fans become active)

Option

Under this menu are settings like on screen display language, on screen display duration time, and the video wall tiling settings. You can also restore all of the menus default settings and lock your screen so as you have to enter a password to access any of the menus.

OSD Language	<English>	or Franais/Espanol/ Poruguês/Arabic/中文
Restore Default Setting	(Resets menu settings to default)	
Blending	<Low>	or Middle/High/Off
OSD Duration	<Off>	or 5sec/10sec/15sec
Multi Setup	Board ID	1
	Current X	1
	Current Y	1
	Total X	1
	Total Y	1
Multi Crop	Left Edge	0
	Up Edge	0
	Right Edge	0
	Down Edge	0
Copy Start		
Lock System	<Off>	or On (Password – 1842)

Switching between inputs

One crucial feature that does not appear on the Main Menu is selecting the input source. This is done by first pressing "SOURCE" and then scrolling down to the desired input source and select by pressing "PLAY".

PC-RGB
PC-RGB (BNC)
COMPONENT
DVI
HDMI
AV1
AV2
DMP

2.1 Inputs

VGA (PC-RGB) – Video Graphics Array Signal Input

HDMI – High Definition Multimedia Interface Signal Input

DVI – Digital Video Interface

YPbPr – Component Signal Input

Video In (AV) – Composite Signal Input (X2)

BNC – Bayonet-Neill-Concelman

RS232 – Serial communication transmission

USB (DMP) – Universal Serial Bus (for internal media player)

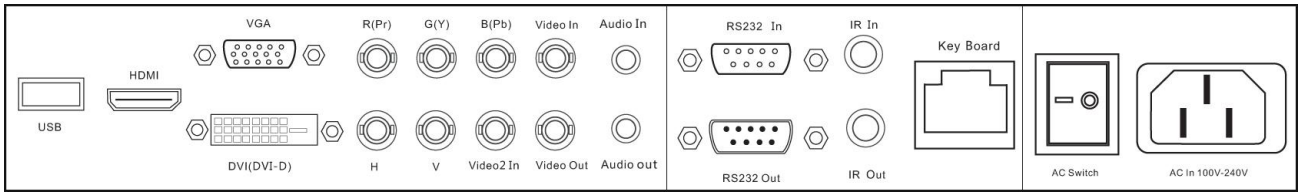

Figure 3 Screen Inputs

3. Set Up

3.1 Ventilation

If you are mounting your monitor in an enclosed space or recessed area please leave adequate room between the monitor and the enclosure to allow heat to disperse. We recommend the following the following space for ventilation.

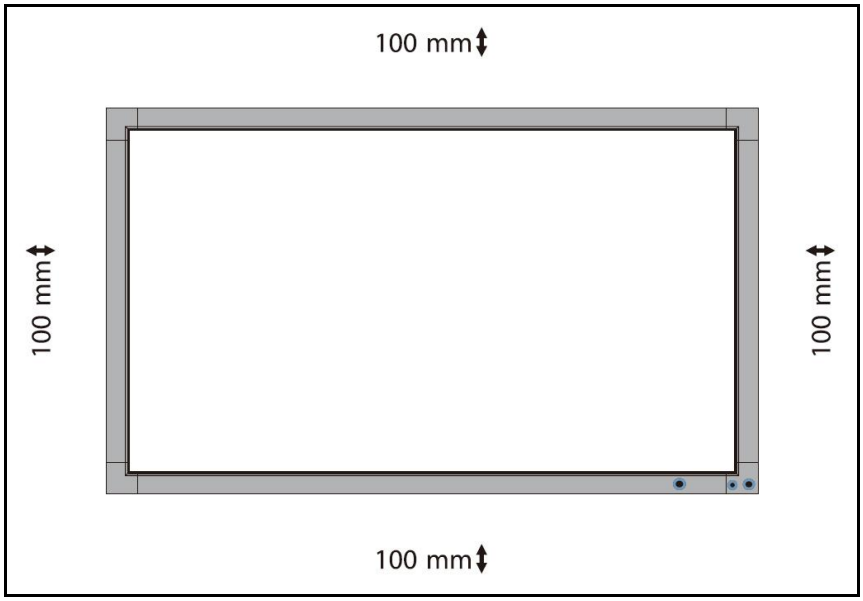

Figure 4 Ventilation Area

If you are using your monitor as part of a video wall or you are mounting them next to one another please compensate for this by allowing more ventilation area at the rear of the screens.

3.2 Connecting to PC

The Video Monitor must be connected to the PC via a visual signal input. The recommended visual connection is via a VGA Cable meaning that the display acts like a monitor for the PC – displaying whatever contents is on the PC.

Figure 5 Screen to PC Connections

Connect the screen to the PC via the VGA cable (as shown above). Once this connection has been made and the PC is powered ON take the power lead and insert it into the screen and connect to mains outlet. Then turn ON by the "AC Switch" located next to the power input.

Before taking any more steps ensure that the screen is sourcing its display from the PC. This is done by first pressing "SOURCE" and then navigating to the desired input source (PC-RGB) and select by pressing "PLAY".

PC-RGB
PC-RGB (BNC)
COMPONENT
DVI
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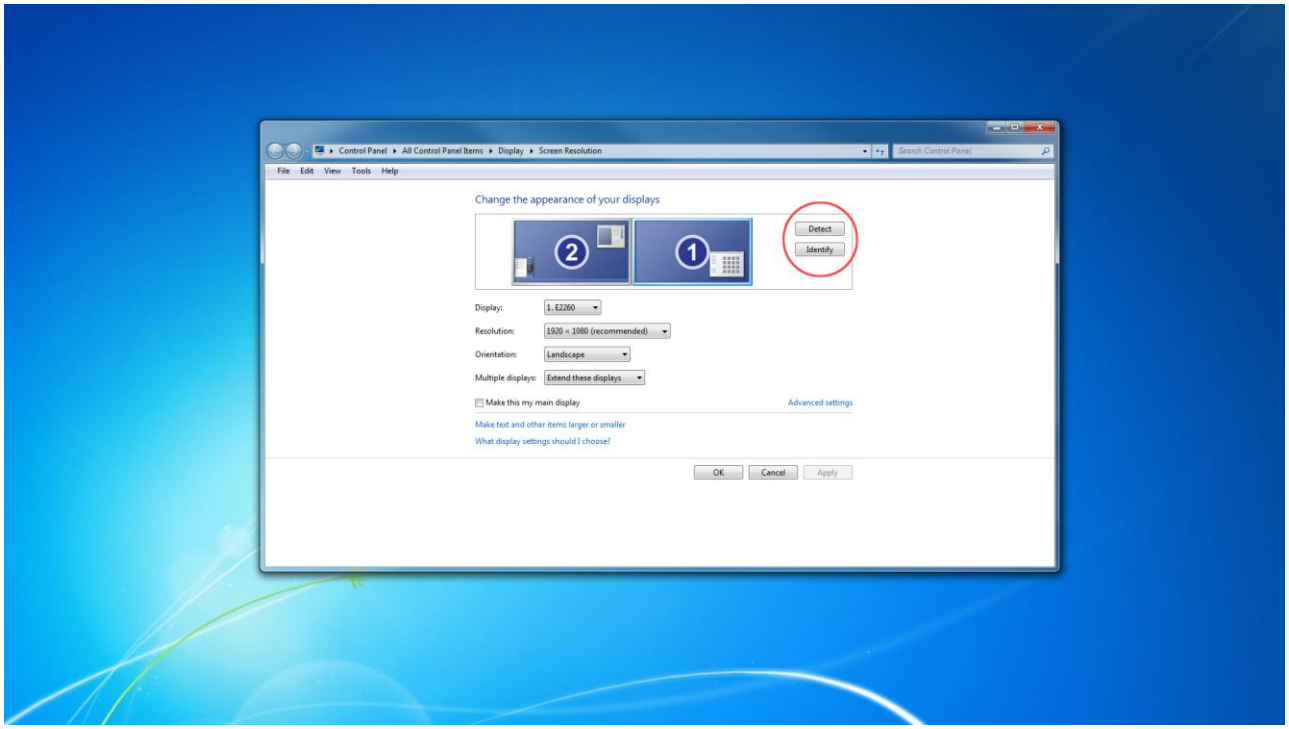
DMP

IMPORTANT: If the Video Monitor is the only monitor connected to your PC NO NOT take the following step. Only proceed with the following if you are using a laptop or another monitor is connected to your PC.

Access the display options from your Control Panel or right-click on your Desktop and choose "Properties" (then "Settings") or "Screen resolution". You should now click "Detect" to allow the PC to discover the Video Monitor then "Identify" to establish which display is the Video Monitor.



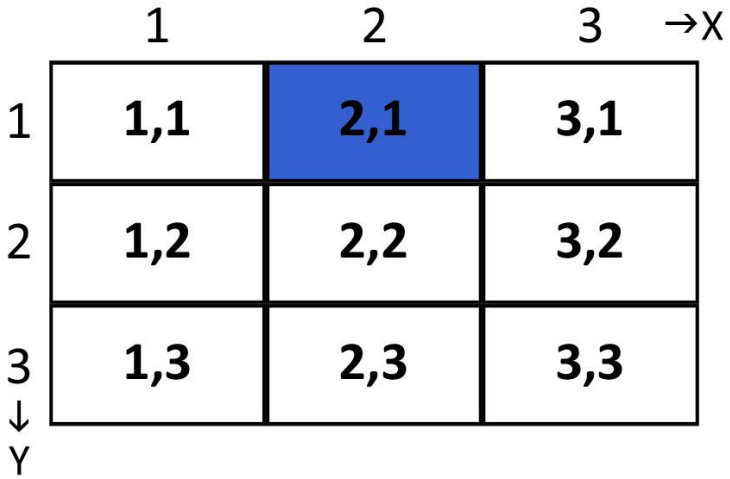
Select the display that corresponds with the Video Monitor display then check the box "Make this my main display" or "Use this devise as the primary monitor". This will make the Video Monitor display your main monitor.

3.3 Video Wall setup

If you want to use your screen as part of a video wall you must give Multi Setup values settings in the "Option" menu. The following is an example of a 3x3 video wall:

BOARD ID	**1**
CURRENT X	**1**
CURRENT Y	**1**
TOTAL X	**3**
TOTAL Y	**3**

BOARD ID	**1**
CURRENT X	**2**
CURRENT Y	**1**
TOTAL X	**3**
TOTAL Y	**3**



BOARD ID	**1**
CURRENT X	**3**
CURRENT Y	**1**
TOTAL X	**3**
TOTAL Y	**3**

BOARD ID	1
CURRENT X	1
CURRENT Y	2
TOTAL X	3
TOTAL Y	3

…and so on.

The "Multi Crop" settings are for fine calibration of a video wall. This setting is to eliminate any black edges that you may have. In most cases you should not need to use this function.

- "LEFT EDGE" stretches the overall display horizontally from the left hand side.
- "UP EDGE" stretches the overall display vertically from above.
- "RIGHT EDGE" stretches the overall display horizontally from the right hand side.
- "DOWN EDGE" stretches the overall display horizontally from below.

Note: This function is only available when the display is being used as part of a video wall.

3.4 Internal Media Player

3.4.1 Usage

The monitor has a simple built in media player that runs directly from a USB stick. This allows you to display a series of images and videos in a continuous loop.

Begin by loading your image and video files directly onto the root drive (without any folders) of your USB stick in the order that you want them to be displayed. To find out what media formats are supported see section 2.3.2 Supported Media Files. Next, plug the USB stick into the USB port of the screen (see figure X).

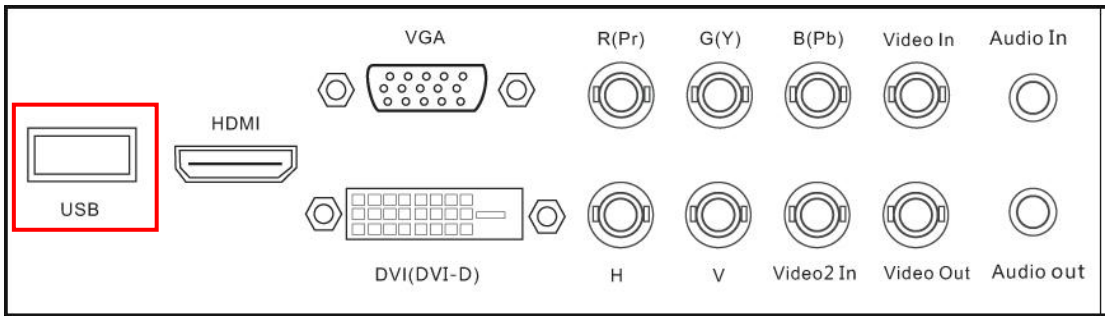


Figure 6 USB Port Location

Your media files will now display in a continuous loop.

3.4.2 Supported Media Formats

Media Type	Supported File Type	
Image	JPEG	Basline
Video	MPG, AVI, MP4	MPEG-1, MPEG-2, MPEG-4, Xvid, DivX, H264

1. This unit does NOT support WMV or FLV video file types.

2. This unit does NOT support Sony ATRAC3, DTS or Dobly HD audio file types.

Note: Video and image files should be a maximum 1920x1080 resolution (16:9 aspect ratio).

4. F.A.Qs and Troubleshooting Guide

4.1 My Video Monitor is not displaying what is on my PC

4.1.1 Input Source

Your monitor may be sourcing its display from another input. First ensure that your screen is connected to your PC (or other video source) via one of the inputs. Next, press "SOURCE" and then navigate to the input source that corresponds with the one you are using and select by pressing "PLAY".

PC-RGB
PC-RGB (BNC)
COMPONENT
DVI
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AV1
AV2
DMP

4.1.2 Display/monitor button on PC keyboard

If you are souring your video signal from a PC your keyboard may have a display/monitor button on it, especially if you are using a laptop. If your Video Monitor does not display the content of the PC try hitting this button before contacting your supplier.

4.2 My display goes into standby mode

4.2.1 Power saving function

If your Video Monitor is powered ON without being connected to a PC via a visual signal (e.g. VGA, DVI etc.) it will automatically go into standby mode within a few minutes. If your Video Monitor is not being supplied with a video signal it will go to standby to ensure that video signal connection is connected properly. Also you must ensure that the Video Monitor is accessing the correct input. To do this you must press "SOURCE" and then navigate to the input source that corresponds with the one you are using and select by pressing "PLAY".

PC-RGB
PC-RGB (BNC)
COMPONENT
DVI
HDMI
AV1
AV2
DMP

4.3 What are my monitor's refresh rates?

If you are running you signal from your PC then some video cards with a pixel clock over 162MHz may not display the image correctly. Normally however your monitor will display the image correctly by adjusting the factory preset timing signal automatically.

Resolution	Scanning frequency	
	Horizontal	Vertical
680 x 480	31.5 kHz	60 Hz
800 x 600	37.9 kHz	60 Hz
1024 x768	48.4 kHz	60 Hz
1280 x 768	48 kHz	60 Hz
1360 x 768	48 kHz	60 Hz
1280 x 1024	64 kHz	60 Hz
1600 x 1200	75 kHz	60 Hz
1920 x 1080	67.5 kHz	60 Hz

IMPORTANT: If you are using with a Macintosh PowerBook, set "Mirroring" to Off on your PowerBook. Refer to your Macintosh's owner's manual for more information about your computer's video output requirements and any special identification or configuration your monitor's image and monitor may require.

4.4 How do I use my monitor as part of a video wall?

If you want to use your screen as part of a video wall you must give Multi Setup values settings in the "Option" menu. The following is an example of a 3x3 video wall:

BOARD ID	**1**
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TOTAL X	**3**
TOTAL Y	**3**

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CURRENT X	**2**
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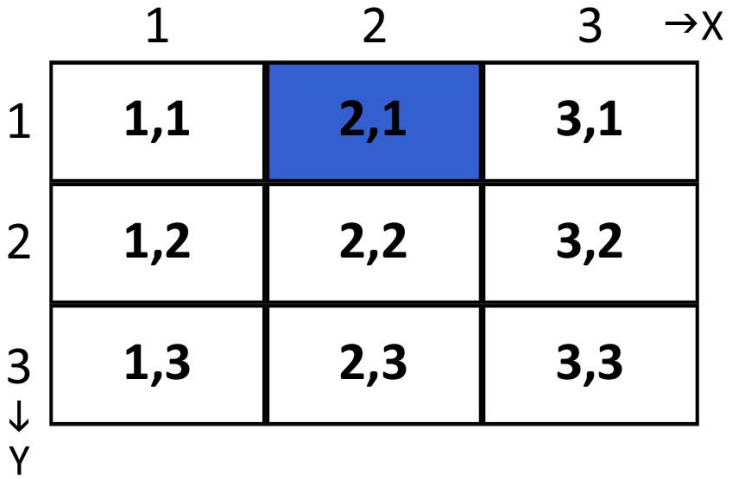
TOTAL X	**3**
TOTAL Y	**3**



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- "RIGHT EDGE" stretches the overall display horizontally from the right hand side.
- "DOWN EDGE" stretches the overall display horizontally from below.

Note: This function is only available when the display is being used as part of a video wall.

4.5 My monitor's image is unstable, unfocused or swimming

Firstly check that the video signal cable should is firmly connected to the monitor and the PC. Next, check the monitor and your display card with respect to compatibility and recommended signal timings.

If your text is blurred, reformat the video mode to "non-interlaced" and use 60Hz refresh rate.